SEQUENCE LISTING

TOOKE, NIGEL
EKSTROM, BJORN

<120> NEW METHOD

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<151> 2003-06-30

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<150> US 60/481,319
<151> 2003-09-01

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<170> PatentIn version 3.2

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The ORGANISM is 'Human' in all cases

#	Sequence 5'-3'	Other information/Feature
1	CAGCAGCAGCAGCAGCAGCAGCAG	Synthetic oligonucleotide representing (CAG)n repeat in exon 1 of human HD gene
2	GTCGTC	Synthetic oligonucleotide complementary to (CAG)n repeat in exon 1 of human HD gene
3	GTCGTCGTCGTC	Synthetic oligonucleotide complementary to (CAG)n repeat in exon 1 of human HD gene
4	GTCGTCGTCGTCGTC	Synthetic oligonucleotide complementary to (CAG)n repeat in exon 1 of human HD gene
5	GTCGTCGTCGTCGTCGTCGTC	Synthetic oligonucleotide complementary to (CAG)n repeat in exon 1 of human HD gene
6	CGGCGGCGGCGGCGGCGGCGGCGGCGG	Synthetic oligonucleotide representing section of (CGG)n repeats in 5' untranslated region in exon 1 of human *FMR1* gene
7	GCCGCC	Synthetic oligonucleotide complementary to (CGG)n repeat in 5' untranslated region in exon 1 of human *FMR1* gene
8	GCCGCCGCCGCC	Synthetic oligonucleotide complementary to (CGG)n repeat in 5' untranslated region in exon 1 of human *FMR1* gene
9	GCCGCCGCCGCCGCC	Synthetic oligonucleotide complementary to (CGG)n repeat in 5' untranslated region in exon 1 of human *FMR1* gene
10	GCCGCCGCCGCCGCCGCCGCC	Synthetic oligonucleotide complementary to (CGG)n repeat in 5' untranslated region in exon 1 of human *FMR1* gene
11	ATGGTGCACCTGACTCCTGA	Synthetic probe complementary to section of human beta-globin gene that causes sickle-cell anaemia; ends in mutating position (A)
12	GGAGAAGTCTGCCGTTACTGC	Synthetic probe complementary to section of human beta-globin gene that causes sickle-cell anaemia; flanks mutating position
13	GCAGTAACGGCAGACTTCTCCTCAGGAGTCAGGTGCACCAT	Synthetic oligonucleotide representing region containing an A to T transversion in human beta-globin gene that causes sickle-cell anaemia
14	ATGGTGCACCTGACTCCTGAGGAGAAGTCTGCCGTTACTGC	Synthetic oligonucleotide representing region containing an A to T transversion in human beta-globin gene that causes sickle-cell anaemia
15	ACGGCAGACTTCTCC	Synthetic oligonucleotide used to sequence the ligated product generated by ligating sequences 11 and 12
16	CGG CGG CGG CGG CGG CGG CGG CGG CGG CGG CGG CGG	Synthetic oligonucleotide representing section of (CGG)n repeats in 5' untranslated region in exon 1 of human *FMR1* gene
17	CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG	Synthetic oligonucleotide representing section of (CTG)n repeats in 3' untranslated region of human DMPK gene
18	CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG CTG	Synthetic oligonucleotide representing section of (CTG)n repeats in 3' untranslated region of human DMPK gene

19	CAGCAGCAG	Synthetic oligonucleotide complementary to stretch of (CTG)n repeats in 3′ untranslated region of human DMPK gene